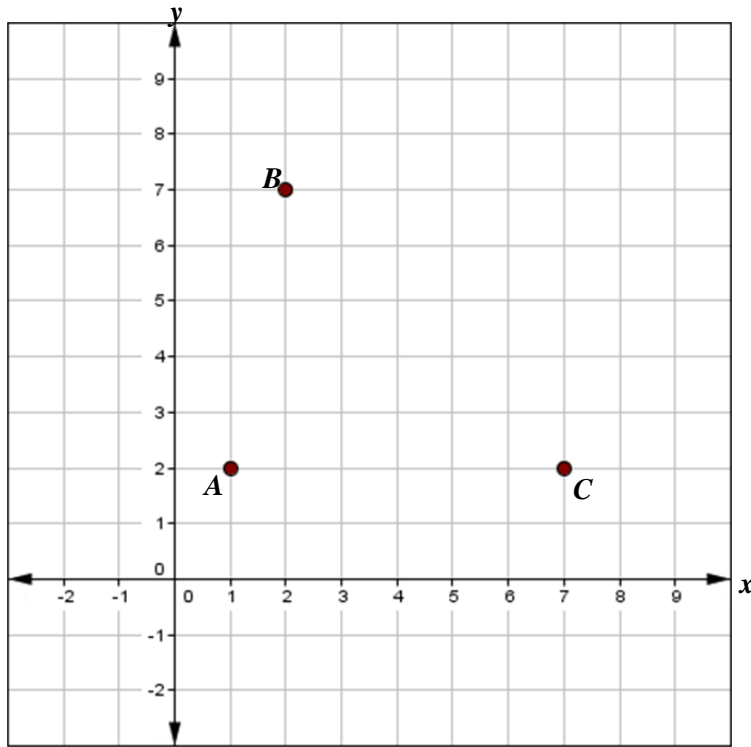
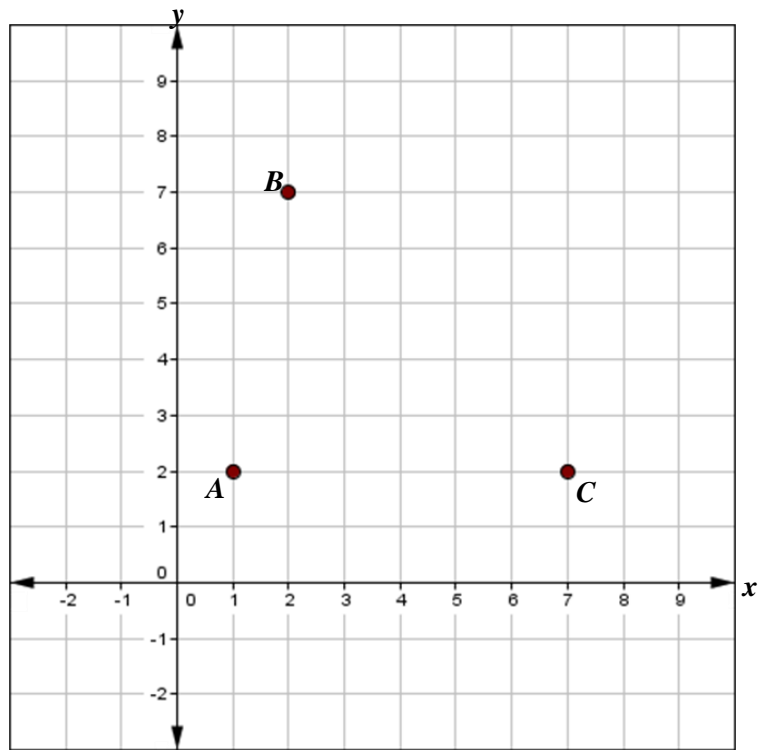


Bus Stop

Three houses are located at points A, B, and C on the map below. A bus stop will be built that is equidistant to all 3 houses.



- a) Find the coordinates of the location for the bus stop. Explain your solution strategy and justify that your solution is correct.



- b) **How would you determine locations on the map for other houses that would also be equidistant from the bus stop? Explain your reasoning.**